

***FlyBy Math™* Alignment**  
**Hawaii Content and Performance Standards III: Mathematics**  
**Updated 9/28/05**

**Strand: Patterns, Functions, and Algebra**

**Standard 9: PATTERNS AND FUNCTIONAL RELATIONSHIPS:**

Understand various types of patterns and functional relationships

**Topic and Benchmark**

*Patterns*

MA.6.9.1 Represent visual and numerical patterns with tables and graphs and generalize the "rule" using words and symbols

***FlyBy Math™* Activities**

--Represent distance, speed, and time relationships for constant speed cases using tables, bar graphs, line graphs, equations, and a Cartesian coordinate system.

*Functions*

MA.6.9.2 Describe simple one-step functions using words and symbols when given a table of "input" and "output" values

--Represent distance, speed, and time relationships for constant speed cases using linear equations and a Cartesian coordinate system.

**Standard 10: SYMBOLIC REPRESENTATION:**

Use symbolic forms to represent, model, and analyze mathematical situations

**Topic and Benchmark**

*Numeric and Algebraic Representations*

MA.6.10.1 Interpret and solve problem situations involving two different variables

***FlyBy Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.